

## Welcome Menu: User Choice

- This is the first set of options given to the user depending on their objective they may proceed as a customer or an administrator.

```
Available Users:
1. Customer
2. Administrator
3. Exit

Choose : |
```

- They can also choose to exit the program as well.

```
Available Users:
1. Customer
2. Administrator
3. Exit

Choose : 3
ARE YOU SURE YOU WANT TO EXIT?
1. YES
2. NO
Choose: 1
Thank You For Using Our Program!
```

- Upon choosing an option that is outside of the given ones the program re-runs.

First, we are proceeding with the “*Administrator option*”.

## Admin Menu: Menu

- On choosing the “*Admin*” option the user is given 2 options whether to “*Login*” or “*Return to Main Menu*”.

```
Available Users:
1. Customer
2. Administrator
3. Exit

Choose : 2

1. Login
2. Return to Main Menu

Select one:
```

- On choosing the “*Return to Main Menu*” option they return to the main Menu.

```
1. Login
2. Return to Main Menu

Select one: 2

Available Users:
1. Customer
2. Administrator
3. Exit

Choose :
```

## Admin Menu: Login

- On choosing the “*Login*” option the user is asked to authenticate themselves using the password. When the correct password is entered the program continues.

```
1. Login
2. Return to Main Menu

Select one: 1

Enter Password: nox
Welcome!
```

- In the case of the wrong password the user can re-enter the correct password or back.

Enter Password: example of wrong password
Enter Correct Password!

1. Login
2. Return to Main Menu

Select one:

## Admin Menu: Features

- After entering the correct password, the user is presented with 3 set of options, namely.
  - Database
  - Sales
  - Analytics

Choose one of the following:
1.View Database
2.View Sales
3.Analytics

Choose one:

## Admin Menu: View Database

- In the “View Database” option the admin can view the entire customer details database in python.

Select One: 1									
Order_ID	Name	Contact_Number	City	Movie	Venue	Show_Time	Seat_Number	No_Of_Seats	
101	Charles Reed	7555762685	Mumbai	Liger (Hindi 2D)	Maison PVR:Library Hall,Jio World Drive	9:00 PM	L9,L10	2	
102	Todd Boyer	7555885944	Bangalore	Nope (English 2D)	PVR:Gold VR	3:30 PM	L9,L10,L11,L12,L13	5	
103	Joel Hood	7555609806	Bangalore	Liger (Hindi 2D)	Cinepolis:Orion East Mall	3:30 PM	L15	1	
104	Janet Hanson	7555834298	Jaipur	Nope (English 2D)	Miraj Cinemas:Entertainment Paradise	9:00 PM	L9,L10,L11,L12	4	
105	Courtney Andrade	8555911839	Delhi-NCR	Laal Singh Chaddha (Hindi 2D)	Cinepolis:Grand Venice Mall	9:00 PM	L9,L10,L11,L12,L13,L14,L15,L16	8	
106	Francisco Harrison	9855987355	Chandigarh	Nope (English 2D)	PVR:Elante	3:30 PM	H7,H8,H9,H10,H11,07,08,09,010	9	
107	Christopher Bentley	8555321445	Hyderabad	Nope (English 2D)	PVR: Central Mall	9:00 PM	H4,H5,H6,H7,H8,H9,H10,H11,H12,H13	10	
108	Gregory Washington	9055539953	Jaipur	Dragon Ball Super: Super Hero (English 2D)	INOX:Elements Mall	3:30 PM	L13,L14	2	
109	Scott Lee	8555202499	Mumbai	Nope (English 2D)	INOX:Attria Mall	3:30 PM	L11	1	
110	Joshua Hart	9055540975	Mumbai	Dragon Ball Super: Super Hero (English 2D)	Maison PVR:Library Hall,Jio World Drive	9:00 PM	L12	1	
111	Stephanie Acosta	7555414630	Bangalore	Kathikeya 2 (Hindi 2D)	INOX:Garuda Mall	3:30 PM	K4,K5,K6,K7	4	
112	Nicholas Pratt	8555414966	Chandigarh	Top Gun:Maverick (English 2D)	Cinepolis:Bestech Square	9:00 PM	K6,K7,K8,K9,K10,K11,K12	7	
113	Dr. Melody Collins	9955204099	Hyderabad	Top Gun:Maverick (English 2D)	Cinepolis:Mantra Mall	3:30 PM	K9,K10	2	
114	Yvonne Mcmillan	8555265745	Bangalore	Thiruchitrambalam (Tamil 2D)	Cinepolis:Orion East Mall	3:30 PM	K2,K3,K4,K5,K6,K7,K8,K9,K10	9	
115	Heather Lee	8555737955	Delhi-NCR	Bullet Train (English 2D)	INOX:Sapphire 90 Mall	3:30 PM	K1,K2,K3,K4,K5,K6,K7,K8	8	
116	Heather Hill	7555293611	Jaipur	Aanohhi (Hindi 2D)	Cinepolis:World Trade Park	9:00 PM	L9,L10,L11,L12,L13,L14,L15,L16	8	
117	Shawna Davis	7555259405	Hyderabad	Dragon Ball Super: Super Hero (English 2D)	INOX:Sattva Necklace	9:00 PM	K7,K8,K9	3	
118	Courtney Palmer	8555797456	Chandigarh	Dragon Ball Super: Super Hero (English 2D)	INOX:DHillion Plaza	9:00 PM	K13,K14,K15,K16,K17	5	
119	Tony Nunez	8555229905	Mumbai	Bullet Train (English 2D)	Cinepolis:Nexus Seawoods	9:00 PM	K1,K2,K3,K4,K5,K6	6	
120	Stephanie Rice	9555567943	Delhi-NCR	Top Gun:Maverick (English 2D)	PVR:Ambience	3:30 PM	K9,K10	2	
121	Anna Smith	9155579644	Jaipur	Dragon Ball Super: Super Hero (English 2D)	Cinepolis:World Trade Park	3:30 PM	K19,K20,K21,K22	4	
122	Brenda Jackson	8555133979	Jaipur	Nope (English 2D)	INOX:Elements Mall	3:30 PM	L9,L10,L11,L12,L13,L14,L15	7	
123	William Klein	7555634888	Delhi-NCR	Top Gun:Maverick (English 2D)	Cinepolis:Grand Venice Mall	9:00 PM	K11,K12	2	
124	Kelly Jones	9955565592	Jaipur	Liger (Hindi 2D)	Cinepolis:World Trade Park	9:00 PM	K7,K8,K9	3	
125	Christopher Soto	7555486785	Hyderabad	Bullet Train (English 2D)	Cinepolis:Mantra Mall	3:30 PM	K2,K3,K4,K5,K6,K7,K8,K9,K10	9	
126	Rabecan Martins	7555174166	Jaipur	Raksha Bandhan (Hindi 2D)	Miraj Cinemas:Entertainment Paradise	3:30 PM	K5,K6,K7,K8,K9,K10,K11,K12,K13,K14	10	
127	Nicoole Gentry	9955531627	Bangalore	Dragon Ball Super: Super Hero (English 2D)	PVR:Gold VR	9:00 PM	L11,L12,L13	3	
128	Shawn Perkins	7555160594	Mumbai	Top Gun:Maverick (English 2D)	Cinepolis:Nexus Seawoods	9:00 PM	K7,K8,K9,K10,K11,K12	6	
129	Kyle Austin	7555570992	Hyderabad	Liger (Hindi 2D)	INOX:Sattva Necklace	3:30 PM	L9,L10,L11,L12,L13,L14,L15,L16	8	
130	Justin Stewart	9555532957	Chandigarh	Bullet Train (English 2D)	PVR:Elante	9:00 PM	L11	1	
131	Alysea Dunlap	7555243630	Mumbai	Top Gun:Maverick (English 2D)	Maison PVR:Library Hall,Jio World Drive	3:30 PM	L13,L14,L15,L16	4	
132	Sarah Robbins	8555027202	Delhi-NCR	Dobaaraa (Hindi 2D)	PVR:Ambience	9:00 PM	K13,K14,K15,K16,K17,K18,K19	7	
133	Caroline Walker	9155538122	Hyderabad	Top Gun:Maverick (English 2D)	Cinepolis:Mantra Mall	9:00 PM	K11,K12,K13,K14,K15,K16,K17,K18,K19,K20	10	
134	Jon Williams	9955057907	Mumbai	Top Gun:Maverick (English 2D)	INOX:Attria Mall	3:30 PM	K13,K14	2	
135	William Everett	9355531398	Delhi-NCR	Bullet Train (English 2D)	INOX:Sapphire 90 Mall	9:00 PM	L9,L10,L11,L12,L13	5	
136	Tiffany Bennett	7555200980	Chandigarh	Top Gun:Maverick (English 2D)	Cinepolis:Bestech Square	3:30 PM	H3,H4,H5,H6,H7,H8,H9,H10	8	
137	Karen Burke	7555072156	Hyderabad	Liger (Hindi 2D)	PVR: Central Mall	3:30 PM	L10	1	
138	Catherine Barrett	7555358123	Delhi-NCR	Kathikeya 2 (Hindi 2D)	Cinepolis:Grand Venice Mall	3:30 PM	L9,L10,L11,L12,L13,L14	6	
139	Cindy Holloway	7555627274	Jaipur	Aanohhi (Hindi 2D)	Cinepolis:World Trade Park	9:00 PM	K7,K8	2	
140	Erin Gibson	9255560231	Mumbai	Dobaaraa (Hindi 2D)	Cinepolis:Nexus Seawoods	9:00 PM	K15,K16,K17,K18,K19,K20,K21	7	
141	Kevin Jones DDS	9355552752	Hyderabad	Kathikeya 2 (Hindi 2D)	Cinepolis:Mantra Mall	9:00 PM	K19,K20,K21,K22,H19,H20,H21,H22	8	
142	Mallory Riley	8555552659	Mumbai	Dragon Ball Super: Super Hero (English 2D)	Maison PVR:Library Hall,Jio World Drive	9:00 PM	L9,L10,L11	3	
143	Alexandria Payne	8555156806	Hyderabad	Nope (English 2D)	INOX:Sattva Necklace	3:30 PM	K8,K9,K10,H8,H9,H10	6	
144	Thomas Jones	8555969190	Bangalore	Laal Singh Chaddha (Hindi 2D)	INOX:Garuda Mall	3:30 PM	H9,H10,H11,H12	4	
145	Tammy McIntosh	9155505290	Hyderabad	Kathikeya 2 (Hindi 2D)	Cinepolis:Mantra Mall	3:30 PM	08,09,010,011,012,F9,F10,F11,F12	10	
146	Diana Boone	8555912729	Chandigarh	Liger (Hindi 2D)	Cinepolis:Bestech Square	9:00 PM	K21,K22	2	
147	Edward Jones	9755573402	Mumbai	Bullet Train (English 2D)	INOX:Attria Mall	3:30 PM	L9,L10,L11,L12,L13,L14,L15	7	
148	Ann Peterson	9755531245	Hyderabad	Bullet Train (English 2D)	PVR: Central Mall	3:30 PM	L10,L11,L12,L13,L14,L15,L16	7	
149	Catherine Wilson MD	7555575247	Chandigarh	Bullet Train (English 2D)	INOX:DHillion Plaza	9:00 PM	H19,H20,H21,H22	4	
150	Tiffany Thomas	7555192712	Jaipur	Kathikeya 2 (Hindi 2D)	INOX:Elements Mall	9:00 PM	K4,K5,K6,K7,K8,K9,K10,K11	8	

## Admin Menu: View Sales Data in Tabular Form in Python

- In the “Sales” option the admin can view the sales
  1. Movie Wise
  2. City Wise.

```
Choose one: 2
How do you wish to see the Sales?
1.Moive Wise
2.City Wise
```

- Movie Wise

```
Choose One: 1
```

MOVIE	Sales
Liger (Hindi 2D)	17
Nope (English 2D)	42
Laal Singh Chaddha (Hindi 2D)	12
Dragon Ball Super: Super Hero (English 2D)	23
Kathikeya 2 (Hindi 2D)	36
Top Gun:Maverick (English 2D)	43
Thiruchitrambalam (Tamil 2D)	9
Bullet Train (English 2D)	47
Aanchhi (Hindi 2D)	10
Raksha Bandhan (Hindi 2D)	10
Dobaaraa (Hindi 2D)	14

- City Wise

```
Choose One: 2
```

City	Sales
Mumbai	39
Bangalore	26
Jaipur	50
Delhi-NCR	38
Chandigarh	36
Hyderabad	74

## Admin Menu: View Graphs Related to Sales & Popularity

- The last option is “Analytics” which shows the data in a graphical manner using matplotlib library of python.

- There are 3 graphs that can be viewed namely
  1. SALES
  2. MOVIE RATING
  3. POPULARITY

Choose one: 3

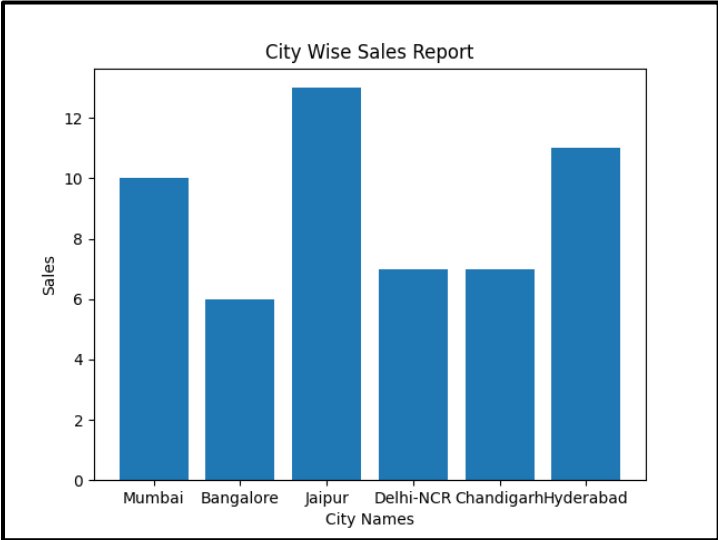
1.Sales

2.Popularity

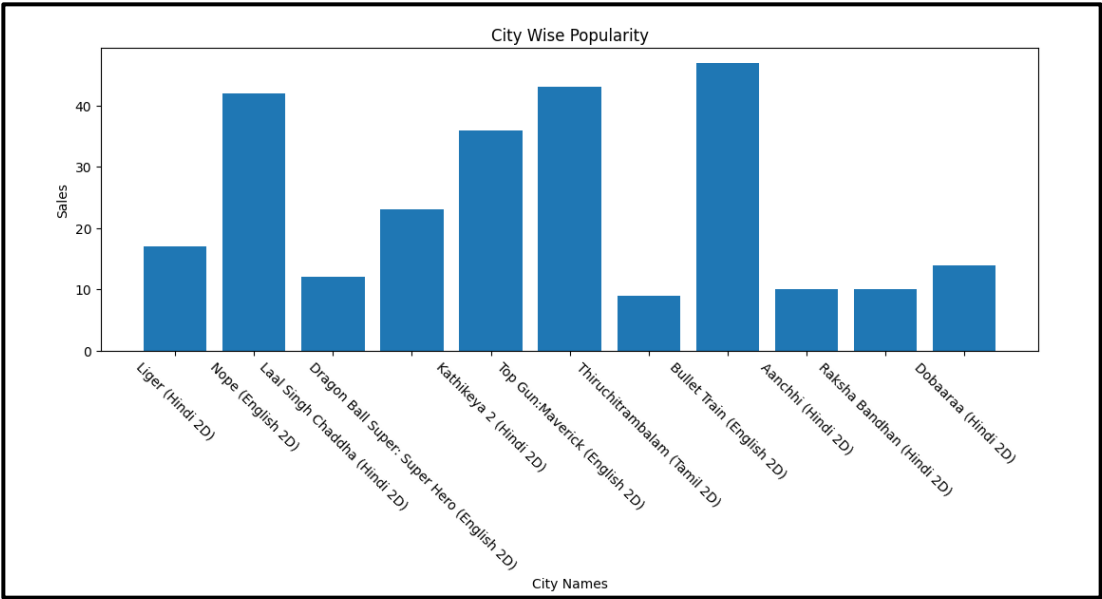
3.Movie Ratings

Choose One: |

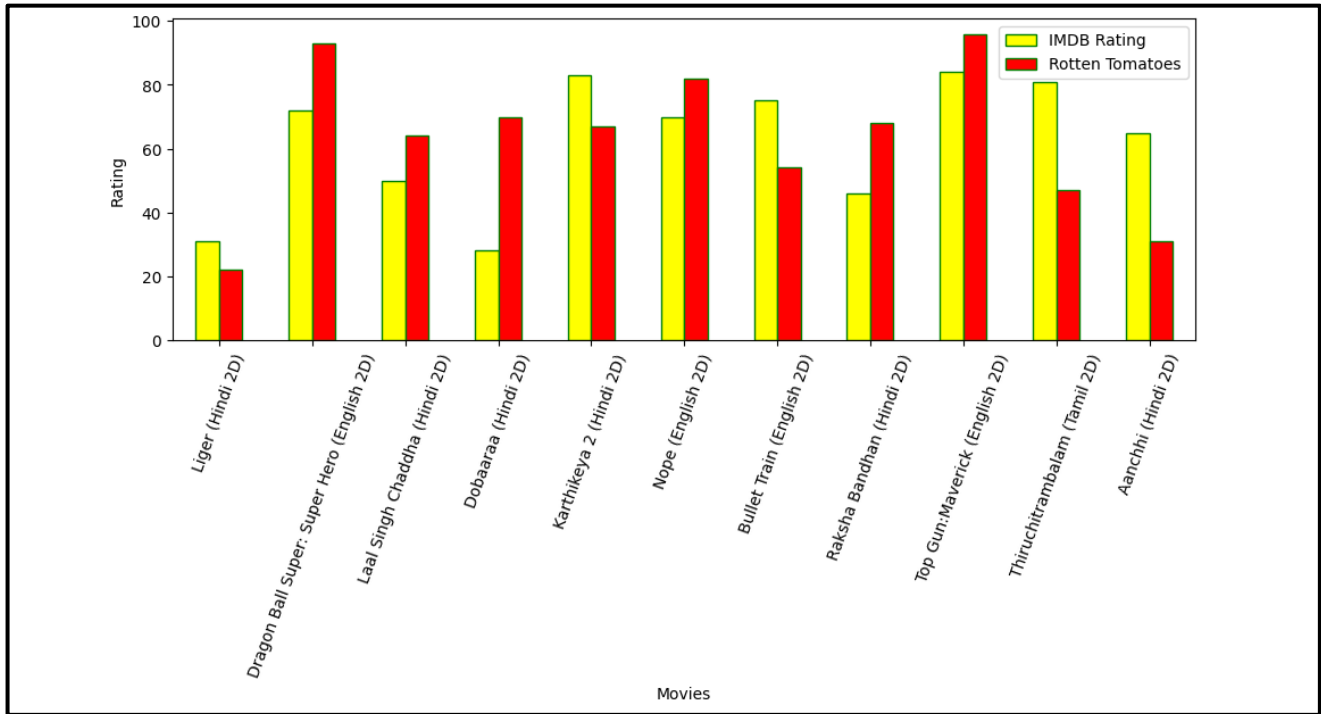
- SALES



- POPULARITY



- **MOVIE RATING**



Now we shall proceed with the “*Customer Option*”.

## Customer Menu: Menu

- On selecting the “*Customer Option*” the user is presented with 3 options weather to BOOK A TICKET, VIEW THEIR PREVIOUSLY BOOKED TICKET as well as an “EXIT” option to exit the program.

```
Available Users:
1. Customer
2. Administrator
3. Exit

Choose : 1

Select what you wish to do!
1. Book Ticket
2. View Your Order
3. Exit

Enter you choice:
```

## Customer Menu: Booking A Ticket

- On choosing the “Book Ticket” option the user browses from the given options and then selects their preferred movie.
- Next, they go through entering a multitude of personal details to book their ticket.

## Customer Menu: Booking A Ticket: Browsing

- In the booking option the user must first enter the city where they wish to see the movie in.

```
Select what you wish to do!
```

- ```
1. Book Ticket
2. View Your Order
3. Exit
```

```
Enter you choice: 1
```

```
        Cities
```

- ```
1      Mumbai
2     Delhi-NCR
3       Jaipur
4     Bangalore
5      Hyderabad
6   Chandigarh
```

```
Enter your city: |
```

- Then they are presented with the currently screening movies in their city, and they make a selection based on their choice.

```
1                                Liger (Hindi 2D)
2   Dragon Ball Super: Super Hero (English 2D)
3                                Laal Singh Chaddha (Hindi 2D)
4                                Karthikeya 2 (Hindi 2D)
5                                Nope (English 2D)
6                                Raksha Bandhan (Hindi 2D)
7                                Aanchhi (Hindi 2D)
```

```
Name: Jaipur, dtype: object
```

```
Please enter the your movie number:
```

- Then they are to enter the venue at which they wish to see the movie.

1.Miraj Cinemas:Entertainment Paradise      2.INOX:Elements Mall      3.Cinepolis:World Trade Park

Enter venue:

- On proceeding they have to choose the show timing from the ones offered.

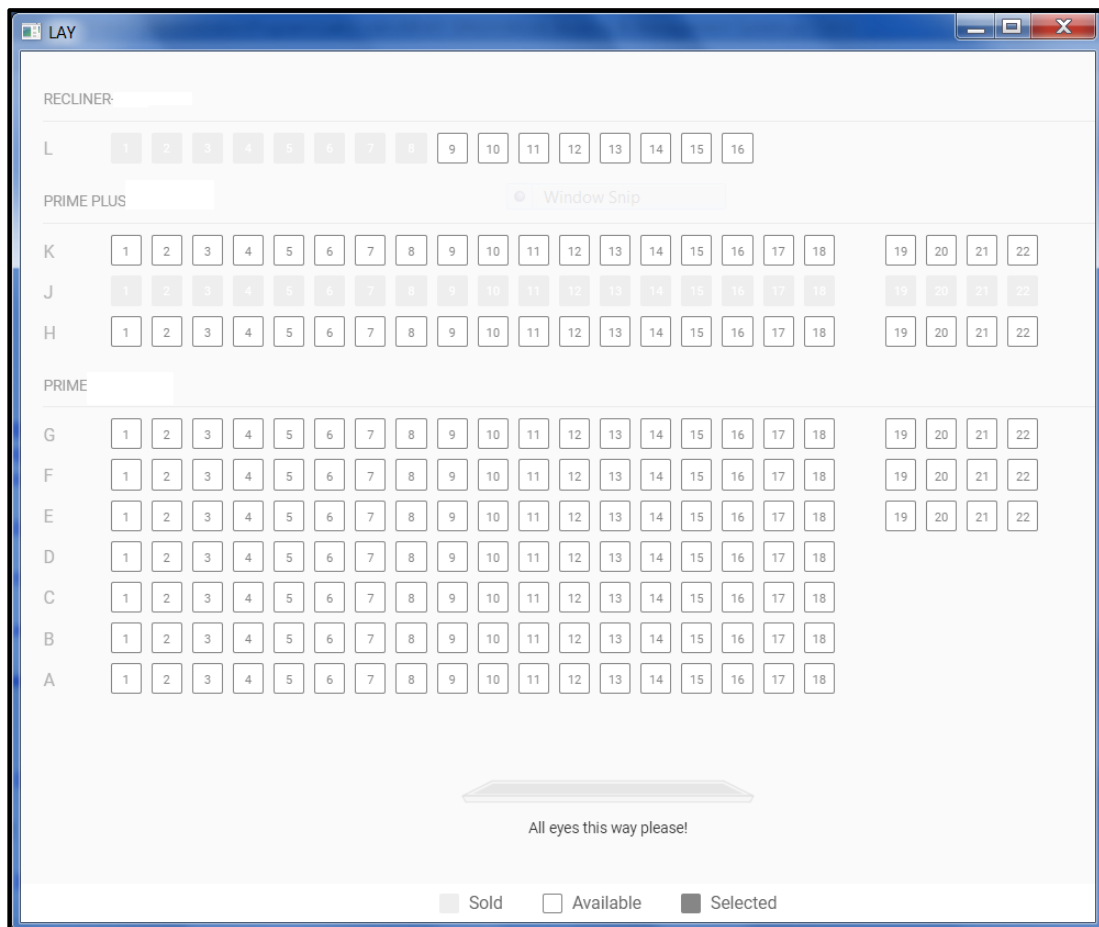
1. 3:30 pm      2. 9:00 pm

Choose your Show Timing:

- Then the user enters the number of seats they intend to buy.

Please Enter total No. of Seats you Wish to Buy: 1  
Refer to the image for Selection

- After referring to the image they have to enter the seat number they are buying.





- Now they enter the seats they intend to buy.

```
Refer to the image for Selection
Seperate Multiple Seats Using a Comma
For Example: L34,L35
Enter your Seat Number :L12
```

## Customer Menu: Booking A Ticket: Entering Their Details

- After all this selection they start to enter their personal details, starting with entering their name and their mobile number.

```
Please enter your Full Name: Abhay Singh
Please Enter your Mobile Number: 9876543210
```

## Customer Menu: Booking A Ticket: Order Summary

- After going through this process, they are presented with their order summary and then they have to remember their ORDER ID to access their order in the future.

```
Your Order Summary is a follows:
+-----+-----+-----+-----+-----+-----+-----+-----+
| Order_ID | Name | Contact_Number | City | Movie | Venue | Show_Time | Seat_Number | No_Of_Seats |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1277 | Abhay Singh | 9876543210 | Delhi-NCR | Laal Singh Chaddha (Hindi 2D) | INOX:Sapphire 90 Mall | 3:30 pm | L12 | 1 |
+-----+-----+-----+-----+-----+-----+-----+-----+

NOTE: PLEASE REMEMBER YOUR ORDER ID TO VIEW YOUR ORDER SUMMARY IN THE FUTURE!

Thank You! For Booking a ticket with Us!
```

## Customer Menu: Viewing Previous Order

- On choosing the “VIEW YOUR ORDER” option the user has to enter their ORDER ID.

```
Select what you wish to do!
1. Book Ticket
2. View Your Order
3. Exit

Enter you choice: 2
```

- On entering the correct ORDER ID they are given their order summary!

Please Enter Your Order ID: 135

Order_ID	Name	Contact_Number	City	Movie	Venue	Show_Time	Seat_Number	No_Of_Seats
135	William Everett	9355531338	Delhi-NCR	Bullet Train (English 2D)	INOX:Sapphire 90 Mall	9:00 PM	L9,L10,L11,L12,L13	5

NOTE: PLEASE REMEMBER YOUR ORDER ID TO VIEW YOUR ORDER SUMMARY IN THE FUTURE!

THANK YOU FOR USING OUR PROGRAM!